



## PRODUCT DESIGN AND ENGINEERING SERVICES

### Extend the reach of your R&D spend with NEO Tech Engineering Services

- ▀ Add Engineering Scalability
- ▀ Accelerate Time-to-Market
- ▀ Add Needed Expertise on Variable Basis

At NEO Tech we deliver these services with a highly skilled and experienced engineering team with decades of experience designing mission critical defense & aerospace, medical and industrial applications. Contact us at [info@neotech.com](mailto:info@neotech.com)

## PRODUCT DESIGN AND ENGINEERING SERVICES

NEO Tech performs product design and engineering service activity for a growing number of our OEM customers. We operate as a seamless extension of our customers engineering organizations, adding scale, flexibility and speed to their design process. NEO Tech uses JDM (joint design & manufacturing) business model—you own all Intellectual Property. It is our engineering services strategy to become our customer's engineering partner at any stage of the design cycle to assist in transforming ideas into production ready products.

### NEO Tech Engineering Solutions

#### Product Design

- PCB Layout
- Schematic Capture
- RF & Analog
- FPGA Design
- Digital Design
- 3G / 4G / LTE
- Wi-Fi & Bluetooth
- Microprocessor
- DFx
- Power Supply Design
- Software & Firmware
- Sensor Design
- System Architecture

#### Product Re-Design

- EOL Components
- BOM Cost Analysis
- Improve Off Shore Design
- Feature Addition
- PCB Fixes – Embedded wires
- Power Reduction
- Chip Set Selection
- RoHS Conversion
- Software Updates
- Thermal Analysis
- Improved Performance
- Enclosure Changes

#### Test Development

- ICT
- Boundary Scan
- Functional Test
- Lab View
- DFT
- Strategy
- Coverage
- Flying Probe
- Test Pad Layout
- X-Ray
- AOI / SPI
- ESS

#### Prototype

- 24 Hour Turn
- Dedicated Technicians
- Flexible Scheduling
- Quality build with production in mind
- Complete Kitting
- Component Analysis
- Flexible line time
- SMT – PTH
- Second Operations
- Wave / Selective Solder
- Mechanical Assembly
- Test

### NEO Tech Design Expertise Spans Boards to Systems

#### Ceramic and Microelectronics



#### PCBA

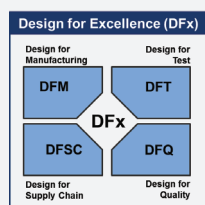


#### Systems



### NEO Tech Manufacturing Experience Informs the Design Process

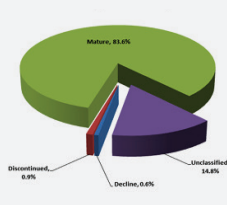
#### DFx



#### Test Engineering



#### Component Engineering



#### Tool Set: Altium /Cadence /Mentor

